

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 99/04365

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B43/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 776 307 A (YOUNG J) 4 December 1973 (1973-12-04) column 3, line 63-67 column 7, line 15-26 column 9, line 1-9 figures 2-5	1,2,5,9, 10,12, 13,16, 17,21, 36,47
X	US 5 052 483 A (HUDSON LEO O) 1 October 1991 (1991-10-01) abstract column 4, line 12-46 figures 1,2	1,4,9, 10,16, 17,36,47

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

25 February 2000

Date of mailing of the international search report

03/03/2000

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 214 226 A (A. ENGLISH) 10 September 1940 (1940-09-10) figure 5 ✓	37, 38, 43, 45, 46
P, X	WO 99 18328 A (FORMLOCK INC) 15 April 1999 (1999-04-15) ✓ page 7, line 4 -page 8, line 28; figures 1, 2	1, 2, 6, 7, 9, 10, 12, 13, 16, 17, 21, 36-38, 40, 41, 43-46

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3776307	A	04-12-1973	NONE	
US 5052483	A	01-10-1991	NONE	
US 2214226	A	10-09-1940	NONE	
WO 9918328	A	15-04-1999	AU 9789698 A	27-04-1999